

cura_58_17931354.0.35.1 (SEQ ID NO: 14)
 cura_58_17931354.0.35.2 (SEQ ID NO: 16)

cura_58_179313540351 MRPVALLLLPSLLALLAHGLSLEAPTVGKGQAPGIEETDGELTAAPTPEQPERGVHFVTT
 cura_58_179313540352 MRPVALLLLPSLLALLAHGLSLEAPTVGKGQAPGIEETDGELTAAPTPEQPERGVHFVTT

cura_58_179313540351 APTLKLLNHHPLLEEFLOEGLEKGDEELRPALPFQPDPPAPFTPSPLPRLANQDSRPVFT
 cura_58_179313540352 APTLKLLNHHPLLEEFLOEGLEKGDEELRPALPFQPDPPAPFTPSPLPRLANQDSRPVFT

cura_58_179313540351 SPTPAMAAVPTQPQSKGWPSPSESPMLRITAPLPPGSPMAVPTLGPGEIASTTPPSRA
 cura_58_179313540352 SPTPAMAAVPTQPQSKGWPSPSESPMLRITAPLPPGSPMAVPTLGPGEIASTTPPSRA

cura_58_179313540351 WTPTQEGPGDMGRPWAIEVVSQAGIGIQGTITSSTASGDDEETTTTTTIITTTITTVQT
 cura_58_179313540352 WTPTQEGPGDMGRPWAIEVVSQAGIGIQGTITSSTASGDDEETTTTTTIITTTITTVQT

cura_58_179313540351 PGPCSWNFSGPEGSLDSPTDLSPTDVGLDCFFYISVYPGYGVEIKVQNISLREGETVTV
 cura_58_179313540352 PGPCSWNFSGPEGSLDSPTDLSPTDVGLDCFFYISVYPGYGVEIKVQNISLREGETVTV

cura_58_179313540351 EGLGGPDPLPLANQSFLLRGQVIRSPTHQAALRFQSLPPPAGPGTFHFHYQAYLLSCHFP
 cura_58_179313540352 EGLGGPDPLPLANQSFLLRGQVIRSPTHQAALRFQSLPPPAGPGTFHFHYQAYLLSCHFP

cura_58_179313540351 RRQAYEDVTVTSIHPGGSARFHCATGYQLKGARHLTCLNATQPIWDSKEPVCIAACGGVI
 cura_58_179313540352 RRQAYEDVTVTSIHPGGSARFHCATGYQLKGARHLTCLNATQPIWDSKEPVCIAACGGVI

cura_58_179313540351 RNATTGRIVSPGPGNYNNLTCHWLLEAPEGQRLHLHFEKVSLEADDDRLIIRNGDNVE
 cura_58_179313540352 RNATTGRIVSPGPGNYNNLTCHWLLEAPEGQRLHLHFEKVSLEADDDRLIIRNGDNVE

cura_58_179313540351 APPVYDSYEVEYLPPIEGLLSSGKHFFVELSTDSSGAAAGMALRYEAFQQGHCEYEPFVKYG
 cura_58_179313540352 APPVYDSYEVEYLPPIEGLLSSGKHFFVELSTDSSGAAAGMALRYEAFQQGHCEYEPFVKYG

cura_58_179313540351 NFSSSTPTYPVGTTVEFSCDPGYTLEQGSIIIECVDPHDPQWNETEPACRAVCSGEITDS
 cura_58_179313540352 NFSSSTPTYPVGTTVEFSCDPGYTLEQGSIIIECVDPHDPQWNETEPACRAVCSGEITDS

cura_58_179313540351 AGVVLSPNWPEPYSRGQDCIAGVHVEEDKRIMLDIRVLRIGPGDVLTIFYDGDLTARVLG
 cura_58_179313540352 AGVVLSPNWPEPYSRGQDCIAGVHVEEDKRIMLDIRVLRIGPGDVLTIFYDGDLTARVLG

cura_58_179313540351 QYSGPRSHFKLFTSMADVTIQFQSDPGTSLVGYQQGFVIHFFEVPRNDTCPELPEIPNGW
 cura_58_179313540352 QYSGPRSHFKLFTSMADVTIQFQSDPGTSLVGYQQGFVIHFFEVPRNDTCPELPEIPNGW

cura_58_179313540351 KSPSQPELVHGTVVITYQCPGYQVVGSSVLMCQWDLTWSDELPSQRVTSCHDPGDVEHS
 cura_58_179313540352 KSPSQPELVHGTVVITYQCPGYQVVGSSVLMCQWDLTWSDELPSQRVTSCHDPGDVEHS

cura_58_179313540351 RRLISSPKFPVGATVQYICDQGFVLTGSSILTCHDRQAGSPKWSDRAPKCLLEQLKPCHG
 cura_58_179313540352 RRLISSPKFPVGATVQYICDQGFVLTGSSILTCHDRQAGSPKWSDRAPKCLLEQLKPCHG

cura_58_179313540351 LSAPENGARSPEKQLHPAGATIHFSAPGYVLKGQASIKCVPGHPSHWSPPPICRAASL
 cura_58_179313540352 LSAPENGARSPEKQLHPAGATIHFSAPGYVLKGQASIKCVPGHPSHWSPPPICRAASL

cura_58_179313540351 DGFYNSRSLDVAKAPAAASSTLDAAHIAAIFLPLVAMVLLVGGVYFYFSRLQKSSSLQLP
 cura_58_179313540352 DGFYNSRSLDVAKAPAAASSTLDAAHIAAIFLPLVAMVLLVGGVYFYFSRLQKSSSLQLP

cura_58_179313540351 RPRPRPYNRITIESAFDNPTYETGETREYEVSI-
 cura_58_179313540351 RPRPRPYNRITIESAFDNPTYETGSLSFAGDERI

Fig. 1

7520500.0.54.3_Cura_59MRPVALLLPSSLALLAHGL
 7520500.0.54.2_Cura_59MRPVALLLPSSLALLAHGL
 7520500.0.54.1_Cura_59MRPVALLLPSSLALLAHGL
 7520500.0.54.4_Cura_59 RLRPRSLYPAGPGSAPAPKPHQAPRPPAAVPAQGAAATSTMRPVALLLPSSLALLAHGL
 7520500.0.21_Cura_59 RLRPRSLYPAGPGSAPAPKPHQAPRPPAAVPAQGAAATSTMRPVALLLPSSLALLAHGL

7520500.0.54.3_Cura_59 SLEAPTVGKGQAPGLEETDGLTAAPTPEQPERGVHFVTAPTCLKLNHHPLLEEFLOEG
 7520500.0.54.2_Cura_59 SLEAPTVGKGQAPGLEETDGLTAAPTPEQPERGVHFVTAPTCLKLNHHPLLEEFLOEG
 7520500.0.54.1_Cura_59 SLEAPTVGKGQAPGLEETDGLTAAPTPEQPERGVHFVTAPTCLKLNHHPLLEEFLOEG
 7520500.0.54.4_Cura_59 SLEAPTVGKGQAPGLEETDGLTAAPTPEQPERGVHFVTAPTCLKLNHHPLLEEFLOEG
 7520500.0.21_Cura_59 SLEAPTVGKGQAPGLEETDGLTAAPTPEQPERGVHFVTAPTCLKLNHHPLLEEFLOEG

7520500.0.54.3_Cura_59 LEKGDEELRPALPFQDPDPAPFTPSPLPRLANQDSRPVFTSPTPAMAAVPTOPQSKEGPW
 7520500.0.54.2_Cura_59 LEKGDEELRPALPFQDPDPAPFTPSPLPRLANQDSRPVFTSPTPAMAAVPTOPQSKEGPW
 7520500.0.54.1_Cura_59 LEKGDEELRPALPFQDPDPAPFTPSPLPRLANQDSRPVFTSPTPAMAAVPTOPQSKEGPW
 7520500.0.54.4_Cura_59 LEKGDEELRPALPFQDPDPAPFTPSPLPRLANQDSRPVFTSPTPAMAAVPTOPQSKEGPW
 7520500.0.21_Cura_59 LEKGDEELRPALPFQDPDPAPFTPSPLPRLANQDSRPVFTSPTPAMAAVPTOPQSKEGPW

Fig. 2

7520500.0.54.3 Cura_59 (SEQ ID NO:22)
 7520500.0.54.2 Cura_59 (SEQ ID NO:20)
 7520500.0.54.1 Cura_59 (SEQ ID NO:18)
 7520500.0.54.4 Cura_59 (SEQ ID NO:24)
 7520500.0.21 Cura_59 (SEQ ID NO:20)

7520500.0.54.3 Cura_59 SPESESPMLRITAPLPPGPSMAVPTLGPGEIASTTPPSRAWPTQEGPGDMGRPWVAEVV
 7520500.0.54.2 Cura_59 SPESESPMLRITAPLPPGPSMAVPTLGPGEIASTTPPSRAWPTQEGPGDMGRPWVAEVV
 7520500.0.54.1 Cura_59 SPESESPMLRITAPLPPGPSMAVPTLGPGEIASTTPPSRAWPTQEGPGDMGRPWVAEVV
 7520500.0.54.4 Cura_59 SPESESPMLRITAPLPPGPSMAVPTLGPGEIASTTPPSRAWPTQEGPGDMGRPWVAEVV
 7520500.0.21 Cura_59 SPESESPMLRITAPLPPGPSMAVPTLGPGEIASTTPPSRAWPTQEGPGDMGRPWVAEVV

7520500.0.54.3 Cura_59 SQGAGIGIOGTITSSSTASGDDEETTTTTTITTTTTIVOTPGPCSWNFSGPEGSLSPTD
 7520500.0.54.2 Cura_59 SQGAGIGIOGTITSSSTASGDDEETTTTTTITTTTTIVOTPGPCSWNFSGPEGSLSPTD
 7520500.0.54.1 Cura_59 SQGAGIGIOGTITSSSTASGDDEETTTTTTITTTTTIVOTPGPCSWNFSGPEGSLSPTD
 7520500.0.54.4 Cura_59 SQGAGIGIOGTITSSSTASGDDEETTTTTTITTTTTIVOTPGPCSWNFSGPEGSLSPTD
 7520500.0.21 Cura_59 SQGAGIGIOGTITSSSTASGDDEETTTTTTITTTTTIVOTPGQLPAGLQMWKKGWGRLLG

7520500.0.54.3 Cura_59 LSSPTDVGLDCFFYISVYPGYGVEIKVONISLREGETVTVEGLGGPDPLPLANOSFLLRG
 7520500.0.54.2 Cura_59 LSSPTDVGLDCFFYISVYPGYGVEIKVONISLREGETVTVEGLGGPDPLPLANOSFLLRG
 7520500.0.54.1 Cura_59 LSSPTDVGLDCFFYISVYPGYGVEIKVONISLREGETVTVEGLGGPDPLPLANOSFLLRG
 7520500.0.54.4 Cura_59 LSSPTDVGLDCFFYISVYPGYGVEIKVONISLREGETVTVEGLGGPDPLPLANOSFLLRG
 7520500.0.21 Cura_59 P-----

7520500.0.54.3 Cura_59 QVIRSPTHQALRFQSLPPPAGPGTFHFHYQAYLLSCHFPRRPAYGDVTVTSLHPGGSAR
 7520500.0.54.2 Cura_59 QVIRSPTHQALRFQSLPPPAGPGTFHFHYQAYLLSCHFPRRPAYGDVTVTSLHPGGSAR
 7520500.0.54.1 Cura_59 QVIRSPTHQALRFQSLPPPAGPGTFHFHYQAYLLSCHFPRRPAYGDVTVTSLHPGGSAR
 7520500.0.54.4 Cura_59 QVIRSPTHQALRFQSLPPPAGPGTFHFHYQAYLLSCHFPRRPAYGDVTVTSLHPGGSAR
 7520500.0.21 Cura_59 -----

7520500.0.54.3 Cura_59 FHCATGYOLKGARHLTCINATOPFWDSSKEPVCIAACGGVIRNGTTGRTVSPGFPGNYSNN
 7520500.0.54.2 Cura_59 FHCATGYOLKGARHLTCINATOPFWDSSKEPVCIAACGGVIRNGTTGRTVSPGFPGNYSNN
 7520500.0.54.1 Cura_59 FHCATGYOLKGARHLTCINATOPFWDSSKEPVCIAACGGVIRNGTTGRTVSPGFPGNYSNN
 7520500.0.54.4 Cura_59 FHCATGYOLKGARHLTCINATOPFWDSSKEPVCIAACGGVIRNGTTGRTVSPGFPGNYSNN
 7520500.0.21 Cura_59 -----

7520500.0.54.3 Cura_59 LTCHWILLEAPEGORLHLHFEKVSIAEDDDRLTIRNGDNVEAPPVYDSYEVYPPRRPRYN
 7520500.0.54.2 Cura_59 LTCHWILLEAPEGORLHLHFEKVSIAEDDDRLTIRNGDNVEAPPVYDSYEVYPPRRPRYN
 7520500.0.54.1 Cura_59 LTCHWILLEAPEGORLHLHFEKVSIAEDDDRLTIRNGDNVEAPPVCKSSLQPPRRPRYN
 7520500.0.54.4 Cura_59 LTCHWILLEAPEGORLHLHFEKVSIAEDDDRLTIRNGDNVEAPPVCKSSLQPPRRPRYN
 7520500.0.21 Cura_59 -----

7520500.0.54.3 Cura_59 RITTESAFDNPYETGETREYEVSI
 7520500.0.54.2 Cura_59 RITTESAFDNPYETGETREYEVSI
 7520500.0.54.1 Cura_59 RITTESAFDNPYETGETREYEVSI
 7520500.0.54.4 Cura_59 RITTESAFDNPYETGETSLSFAGDERI
 7520500.0.21 Cura_59 -----

Fig. 2 (CONTINUED)

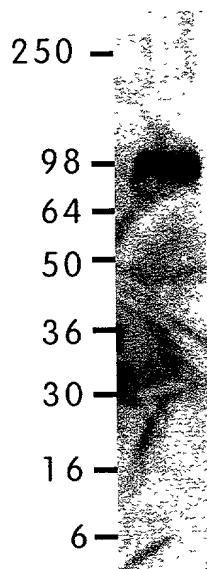


Fig. 3

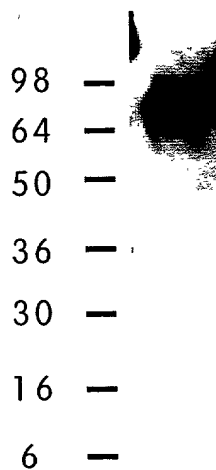


Fig. 4

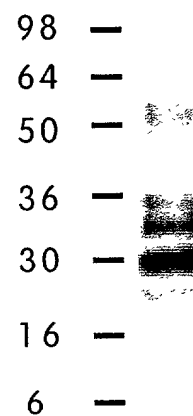


Fig. 5

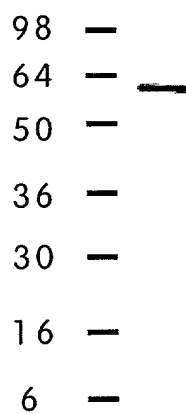


Fig. 6

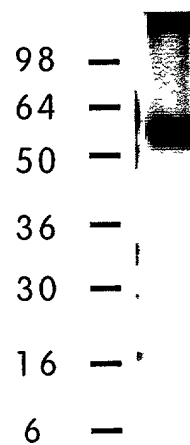


Fig. 7

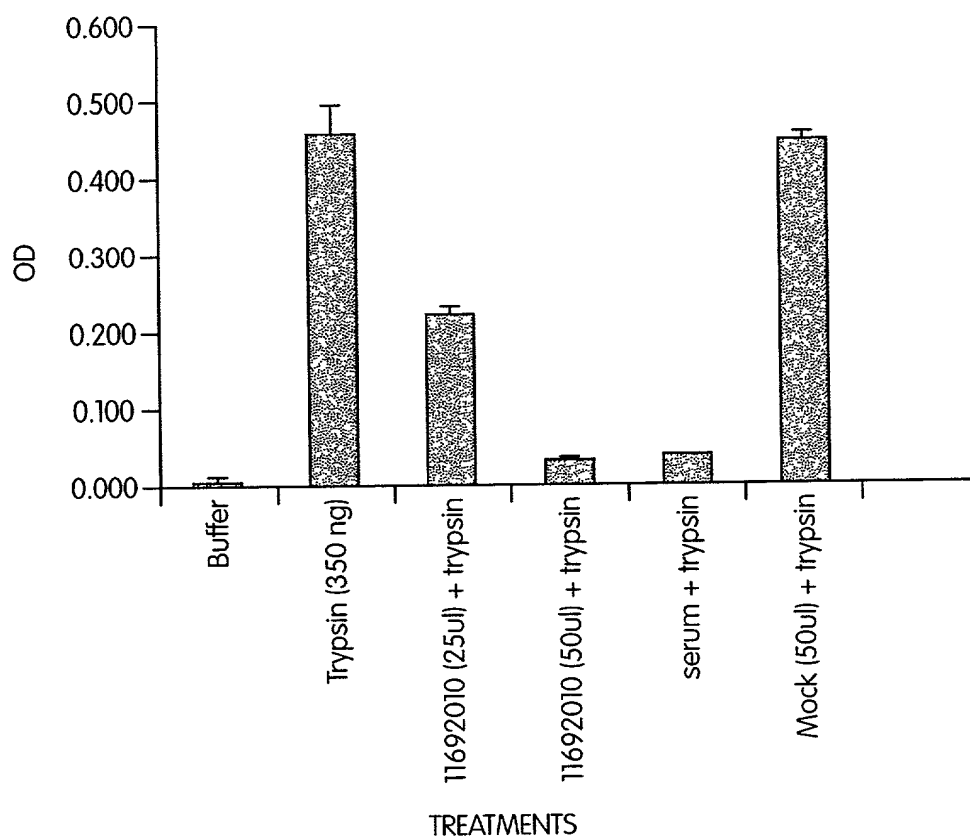


Fig. 8

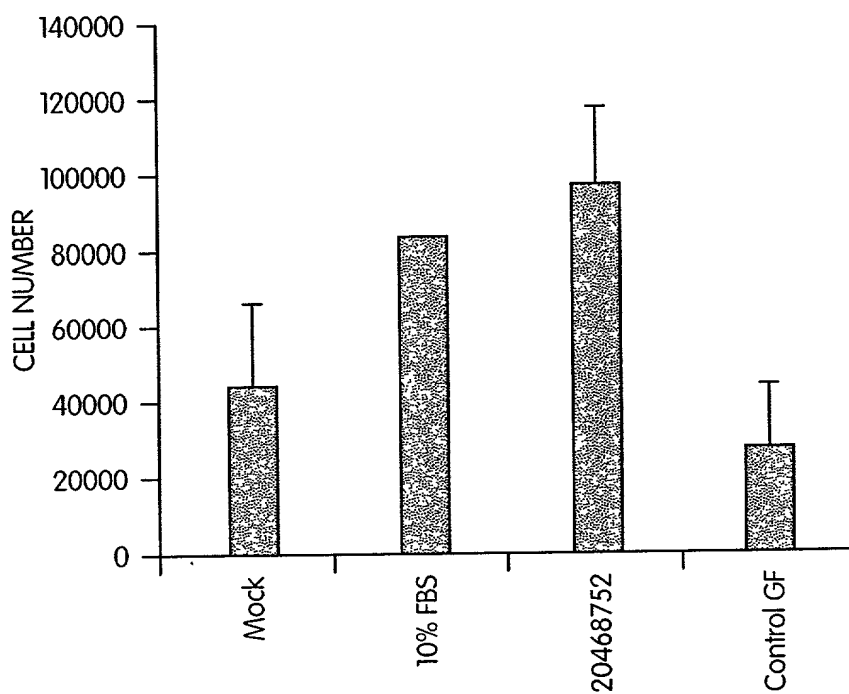


Fig. 9